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Baba et al.

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(54) **INNER DIAMETER MEASURING DEVICE**

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See application file for complete search history.

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(57) **ABSTRACT**

An inner diameter measuring device, comprising an image pickup unit (2) provided at a base end of a frame unit (6) and for picking up an image of a forward end side, a centering unit (4) provided at a forward end of the frame unit, a laser beam diffusing unit (5) provided on the centering unit and at a forward end side of the centering unit via a light transmitting window, a laser beam emitting unit (3) provided on a base end side of the centering unit, and a cone mirror (51) provided on the laser beam diffusing unit and having a conical reflection surface at a forward end, wherein a center line of the cone mirror coincides with an optical axis of the image pickup unit, and the centering unit is adapted to adjust a posture of the image pickup unit so that a laser beam (17) projected from the laser beam emitting unit enters a vertex of the cone mirror.

6 Claims, 7 Drawing Sheets

